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A.D. 1880-1881.

GILCHRIST EDUCATIONAL TRUST.

Trustees.

ROBERT VERITY, ESQ., M.D. | WILLIAM BURNLEY HUME, ESQ.

RICHARD LEIGH HOLLAND, ESQ.

Secretary.

WILLIAM B. CARPENTER, ESQ., M.D., F.R.S.

Conditions of Scholarships instituted by the Gilchrist Educational Trust for the benefit of Youth residing in the Dominion of Canada.

A Scholarship of the value of £100 sterling per annum, and tenable for Three Years, will be annually awarded to a Candidate resident in the Dominion of Canada, who shall become eligible by Competitive Examination, and shall be desirous of prosecuting a further course of Academical Study in Great Britain, under the following conditions :—

1. Every Candidate shall either be a native of the Dominion of Canada, or shall have resided there for the FIVE years immediately preceding the Examination.

2. Every Candidate must furnish proof satisfactory to the Local Authorities that he has completed his 16th year, and that his age does not exceed 22 years.

3. Every Candidate must furnish proof satisfactory to the Local Authorities that in regard to personal character he is qualified to be admitted to competition for a Scholarship.

4. Candidates approved by the Local Authorities shall present themselves at the Midsummer Matriculation Examination of the University of London, which will be held simultaneously in Quebec, Montreal, Kingston, Toronto, Ottawa, Halifax and Fredericton, commencing on the LAST Monday in June, under the direction of Sub-Examiners appointed by the Governor of the Dominion of Canada.

5. The answers of the Candidates approved as aforesaid, will be forwarded through the Colonial Office to the Registrar of the University, who will cause them to be reviewed by the Examiners, and who will draw up the Report of the Results of the Examination ; and the Scholarship shall be awarded to the Candidate who shall come out highest at that Examination, provided that he pass either in the Honours or in the First Division.

6. The award of the Examiners shall be transmitted forthwith by the Secretary of the Gilchrist Trust, through the Colonial Office to the Local Authorities in the Colonial Capitals, to be by them announced to the Candidates.

7. The successful Candidate will be expected to arrive in London, and to present himself to the Secretary of the Gilchrist Trust, not later than the first week in the October following his appointment.

8. Each Scholar shall be allowed an option as to place of study between the University of Edinburgh and University College, London ; but he shall be expected to pursue his studies with a view to Graduation in one of the Four Faculties of the University of London.

9. Each Scholarship shall be considered as commencing from the 1st of July following the commencement of the Examination ; and shall be paid in quarterly instalments on the first days of October, January, April and July.

10. Each Scholar shall attend in every Session at least Three Courses of Lectures at the Institution in which he studies, and shall transmit to the Secretary of the Gilchrist Trust, at the conclusion of each Session, a Certificate from each of the Professors whose lectures he has attended, stating that his diligence and conduct have been satisfactory. Should he not be able to produce such a Certificate, or should he be proved guilty of discreditable conduct elsewhere, he shall be considered to have forfeited all claim to the remaining instalments of his Scholarship.

11. Each Scholar will be expected to present himself at the First Examination in one of the Four Faculties of the University of London—Arts, Science, Law or Medicine—before the termination of the Second (Academical) Year* from the commencement of his Scholarship, unless excused from so doing by the Trustees; and if he do not so present himself (unless by permission of the Trustees), or if he fail to pass, he shall be considered as forfeiting his claim to the remaining instalments of this Scholarship. After having passed the First Examination he will be expected to pursue his studies with a view to presenting himself at the Second Examination within Two (Academical) Years.

12. The foregoing Scheme shall be subject to revision from time to time: the Trustees reserving to themselves the power of altering the conditions of the Scholarships, or of altogether withdrawing them, if they deem it expedient to do either. But no change will be made in such a manner as to affect the interests of Candidates already appointed to Scholarships, or in any case without Twelve Months' Notice.

13. Candidates from the Province of Ontario must send in their names, with a statement showing the City in which they desire to be examined, and with the requisite certificate of age, birth-place, and good conduct, to the Provincial Secretary, Toronto, not later than 1st May, for inspection and approval prior to the transmission of the list to Ottawa.

* By the term "Academical Year" is ordinarily meant the period intervening between any Examination and an Examination of a higher grade in the following year; which period may be either *more* or *less* than a Calendar Year. Thus the interval between the *First* Examinations in Arts, Science, and Medicine, and the *Second* Examinations of the next year in those faculties respectively, is about sixteen months, whilst the interval between the Second B.A. Examination and the M.A. Examination of the next year, or between the Second B.Sc. Examination and the D.Sc. Examination of the next year, is less than eight months. Nevertheless, each of these intervals is counted as an "Academical Year."

UNIVERSITY OF LONDON.

REGULATIONS.

MATRICULATION.

[N.B.—Candidates for any Degree granted by this University (with the exception of such as have graduated in Arts either in the University of Sidney or in that of Melbourne) are required to have passed the MATRICULATION EXAMINATION.]

[This Examination is accepted (1) by the College of Surgeons, in lieu of the Preliminary Examination otherwise imposed on Candidates for its Fellowship; and (2) by the Incorporated Law Society, in lieu of its Preliminary Examination. It is also among those Examinations of which some one must be passed (1) by every Medical Student on commencing his professional studies; and (2) by every person entering upon Articles of Clerkship to an Attorney,—any such person Matriculating in the First Division being entitled to exemption from one year's service.]

There shall be two Examinations for MATRICULATION in each year; one commencing on the second Monday in January, and the other on the last Monday in June. (1).

No Candidate shall be admitted to the MATRICULATION EXAMINATION unless he has produced a Certificate (2) showing that he has completed his Sixteenth year. This Certificate shall be transmitted to the Registrar at least *fourteen days* before the commencement of the Examination.

A Fee of Two Pounds (Ten Dollars) shall be paid at Matriculation. No Candidate shall be admitted to the Examination unless he shall have previously paid this Fee to the Sub-Examiners (3). If, after payment of his Fee, a Candidate withdraws or fails to present himself at the Examination, or fails to pass the Examination, the Fee shall not be returned to him, but he shall be admissible to any subsequent MATRICULATION EXAMINATION upon payment at every such entry of an additional Fee of One Pound (Five Dollars), provided that he give notice to the Registrar at least *fourteen days* before the commencement of the Examination.

(1) These Examinations may be held not only at the University of London, but also, under special arrangement, in other parts of the United Kingdom, or in the Colonies.

(2) A Certificate from the Registrar-General in London, or from the Superintendent Registrar of the District, or a certified copy of the Baptismal Register, is required *in every case in which it can possibly be obtained*. In other cases, a Declaration of the Candidate's age, and that he is unable to procure his Certificate of Birth or Baptism, made before a Magistrate by his Parent or Guardian, or by himself, if of full age, will be admitted. The Certificate of each Candidate is returned to him when he inscribes his name on the Register of the University. Information respecting the time for doing this will be sent to each Candidate when the receipt of his Certificate of Age is acknowledged.

(3) The Fee must be paid when the Candidate inscribes his name on the Register of the University, and should not be sent in advance.

The Examination shall be conducted by means of Printed Papers; but the Examiners shall not be precluded from putting, for the purpose of ascertaining the competence of the Candidates to pass, *viva voce* questions to any Candidate in the subjects in which they are appointed to examine.

Candidates shall be examined in the following subjects:—

MATHEMATICS.

ARITHMETIC.

The ordinary Rules of Arithmetic.
Vulgar and Decimal Fractions.
Extraction of the Square Root.

ALGEBRA.

Addition, Subtraction, Multiplication and Division of Algebraical Quantities.
Proportion.
Arithmetical and Geometrical Progression.
Simple Equations.

GEOMETRY.

The First Four Books of Euclid, or the subjects thereof.

NATURAL PHILOSOPHY. (1)

MECHANICS.

Composition and Resolution of Statical Forces.
Simple Machines (*Mechanical Powers*):—Ratio of the Power to the Weight in each.
Centre of Gravity.
General Laws of Motion, with the chief experiments by which they may be illustrated. Law of the motion of Falling Bodies.

HYDROSTATICS, HYDRAULICS AND PNEUMATICS.

Pressure of Liquids and Gases, its equal diffusion, and variation with the depth.
Specific Gravity and modes of determining it.
The Barometer, the Siphon, the common Pump and Forcing Pump, and the Air Pump.

OPTICS.

Laws of Reflection and Refraction.
Formation of Images by Mirrors and Simple Lenses.

HEAT.

Its Sources. Expansion. Thermometers—Relations between different Scales in common use. Difference between Temperature and Quantity of Heat. Specific and Latent Heat. Calorimeters. Liquefaction. Ebullition. Evaporation. Conduction. Convection. Radiation.

CHEMISTRY.

Chemistry of the Non-Metallic elements; including their compounds as enumerated below—their chief physical and chemical characters—their preparation—and their characteristic tests.
Oxygen, Hydrogen, Carbon, Nitrogen, Chlorine, Bromine, Iodine, Flourine, Sulphur, Phosphorus, Silicon.
Combining Proportions by weight and by volume. General nature of Acids, Bases and Salts, Symbols and Nomenclature.
The Atmosphere—its Constitution; effects of Animal and Vegetable Life upon its composition.
Combustion. Structure and properties of Flame. Nature and composition of ordinary Fuel.
Water. Chemical peculiarities of Natural Waters, such as Rain Water, River Water, Spring Water, Sea Water.
Carbonic Acid. Carbonic Oxide. Oxides and Acids of Nitrogen. Ammonia. Olefiant Gas, Marsh Gas, Sulphurous and Sulphuric Acids, Sulphuretted Hydrogen.
Hydrychloric Acid. Phosphoric Acid and Phosphuretted Hydrogen. Silica.

CLASSICS.

THE GREEK AND LATIN LANGUAGES.

One Greek and one Latin subject—to be selected by the Senate one year and a half previously from the works of the undermentioned authors. (2)

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(1) The questions in Natural Philosophy will be of a strictly elementary character.

(2) The LATIN Subjects for 1880 and 1881 are—
For January, 1880—*Cicero*, De Amicitia and the Speech Pro Lege Manilia.
For June, 1880—*Sallust* De Bello Jugurthino.
For January, 1881—*Ovid*, Metamorphoses. Book V., and Epistolæ ex Ponto, Book IV.
For June, 1881—*Livy*, Book V.

The GREEK Subjects for 1880 and 1881 are—
For January, 1880—*Xenophon*, Agesilaus.
For June, 1880—*Homer*, Odyssey, Book XI.
For January, 1881—*Xenophon*, Cyropædia, Book VII
For June, 1881—*Homer*, Iliad, Book, XXI.

Homer.....One Book.
Xenophon..One Book.
Virgil. ....One Book of the Georgics, and One Book of Æneid.
Horace ....Two Books of the Odes.
Sallust.....The Conspiracy of Catiline, or the War with Jugurtha.
Cæsar .....Two Books of the Gallic War.
Livy.. ....One Book.
Cicero . ...De Senectute or de Amicitia, with one of the following Orations—Pro Lege Manilia, one of the four Catilinarian Orations, Pro Archia, Pro M. Marcello.
Ovid ..... One Book of the Metamorphoses, and one Book of the Epistles or Heroides.

The Paper in Greek shall contain passages to be translated into English, with questions in Grammar, and with questions in History and Geography, arising out of the subjects of the book selected. Short and easy passages shall also be set for translation from other books not so selected. The Paper in Latin shall contain passages to be translated into English, with questions in History and Geography, arising out of the subjects of the book selected. Short and easy passages shall also be set for translation from other books not so selected. A separate Paper shall be set containing questions in Latin Grammar, with simple and easy sentences of English, to be translated into Latin. (1)

THE ENGLISH LANGUAGE.

Orthography; Writing from Dictation; The Grammatical Structure of the Language.

ENGLISH HISTORY AND MODERN GEOGRAPHY.

History of England to the end of the Seventeenth Century, with questions in Modern Geography.

FRENCH.

The Paper in French shall contain passages for translation into English, and questions in Grammar (limited to the Accidence).

GERMAN.

The Paper in German shall contain passages for translation into English, and questions in Grammar, limited (except when German is taken as an alternative for Greek) to the Accidence.

SANSKRIT; ARABIC.

The Paper in Sanskrit and the Paper in Arabic shall contain passages for translation into English, and questions in Grammar.

Candidates shall not be approved by the Examiners unless they have shown a competent knowledge in each of the following subjects, according to the details specified under the several heads:—

1. The Latin Language.
2. Any two (2) of the following Languages: Greek, French and German, and either Sanskrit or Arabic. (2)
3. The English Language, English History and Modern Geography.
4. Mathematics.
5. Natural Philosophy.
6. Chemistry.

The Examinations shall be conducted in the following order:—

MONDAY.

Afternoon, 2 to 4.	Latin.
" 4 to 6.	Latin Grammar and Composition.

TUESDAY.

Morning, 10 to 1.	Greek, German, Sanskrit or Arabic.
Afternoon, 3 to 6.	French or German.

WEDNESDAY.

Morning, 10 to 1.	Arithmetic and Algebra.
Afternoon, 3 to 6.	Geometry.

THURSDAY.

Morning, 10 to 1.	English Language.
Afternoon, 3 to 6.	English History.

FRIDAY.

Morning, 10 to 1.	Natural Philosophy.
Afternoon, 2 to 5.	Chemistry.

With reference to the Examination held in London, on Monday Morning at Nine o'clock, in the week next but two ensuing, the Examiners shall publish a list of the Candidates who have passed, arranged in alphabetical order. And on the Monday Morning next following, at Nine o'clock, the Examiners shall publish a list of the Candidates who have passed arranged in three divisions:—in the Honours Division in the order of proficiency; in the First and Second Divisions in alphabetical order. (3)

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(1) Special stress is laid on accuracy in the answers to the questions in Greek and Latin Grammar, and on the correct rendering of English into Latin. Candidates may substitute German for Greek.

(2) No credit will be given for more than two of these Languages. Candidates who desire to be examined in either Sanskrit or Arabic, must give at least *two calendar months' notice* to the Registrar, and must mention the other optional Language which they select.

(3) The places of Candidates in the Honours Division are determined by their respective degrees of proficiency in the subjects of the Pass Examination taken collectively.